exacqVision IP Camera Quickstart Guide

This document is supplemental to the quick start guide and software user manual software user manual shipped with your system. Both documents can be downloaded at https://www.exacq.com/support/specsheets.html

This document describes the camera configuration software provided by major IP camera manufacturers for use prior to configuring your exacqVision system. For additional information, please consult with the camera manufacturer's software instructions.

Most systems can be installed with the following steps:

1. Install the servers as shown in the exacqVision Quick Start Guides.
2. Confirm the camera has the correct firmware version at: http://www.exacq.com/support/ipcameras.html.
3. Configure the cameras with a **fixed IP address** as shown in this document.
4. Test camera-to-server communications by pinging the camera from the server.
5. Configure your exacqVision server as shown in the user manual.
6. Consult the Exacq Knowledge Base at https://www.exacq.com/kb/ for additional information.

Each IP camera manufacturer provides a utility to find cameras on the local network and set their IP addresses. This utility is typically available on the software CD shipped with your camera, or from the camera manufacturer's web site. Please refer to the documentation provided by your camera's manufacturer if you have questions after reading this guide.

Supported Manufacturers:

1. Axis
2. IQinVision
3. Sony
4. Panasonic
5. ACTi
6. Vivotek
7. Arecont
8. ioimage
9. StarDot
10. Ganz
11. Basler
12. IPX
13. Sanyo
14. Pelco

NOTE: This manual does not discuss cameras interfacing with ONVIF or RTSP protocols. See Chapter 4 of the user manual and the Exacq Knowledge Base for additional information on configuration of these cameras.

Windows Firewall

If you have Windows Firewall enabled on your computer, you will see the following dialog box when you run any of the camera manufacturer's utilities. Click Unblock to allow the utility to work properly.

Windows Security Alert
To help protect your computer, Windows Firewall has blocked some features of this program.
Do you want to keep blocking this program?
Name: iqfinder.exe
Publisher: IQinVision
Keep Blocking
Unblock
Ask Me Later
Windows Firewall has blocked this program from accepting connections from the Internet or a network. If you recognize the program or trust the publisher, you can unblock it. When should I unblock a program?

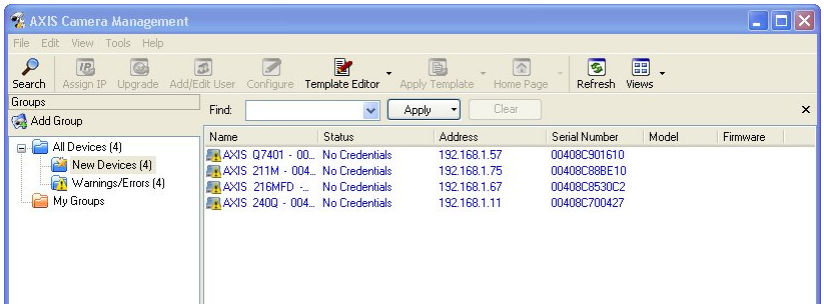
DHCP

Although some IP camera manufacturers support DHCP addressing, Exacq **highly recommends** assigning a static IP address to your IP cameras to keep unexpected network events from changing the IP address of the camera. If the camera's IP address changes, the exacqVision Server cannot record from that camera until a user manually reassigns the camera's IP address or changes the address setting on the exacqVision server to match the camera's new address.

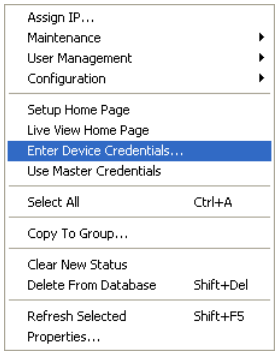
If your camera ships by default with DHCP addressing, you must have a DHCP server on the camera subnet to provide an initial address to the camera. Go to the DHCP server or camera manufacturer's software to determine the address assigned to the camera, and then assign the camera a fixed IP address. Alternatively, Chapter 4 of the software user manual explains how the exacqVision server can discover cameras on the server's subnet (excluding some ONVIF and all RTSP cameras).

1 AXIS

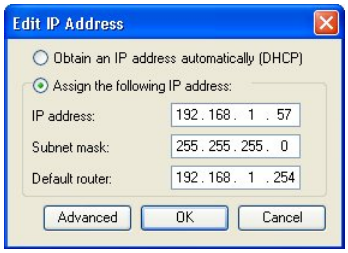
AXIS provides the *AXIS Camera Management Utility* to find IP cameras. Run the utility to display the following window:



AXIS cameras on the network are listed. Right-click a camera and select **Enter Device Credentials…**.



Enter the username and password for the device. Right-click the camera again and select **Assign IP…**.



Enter the IP address, subnet mask, and default router. Click OK to apply the IP address.

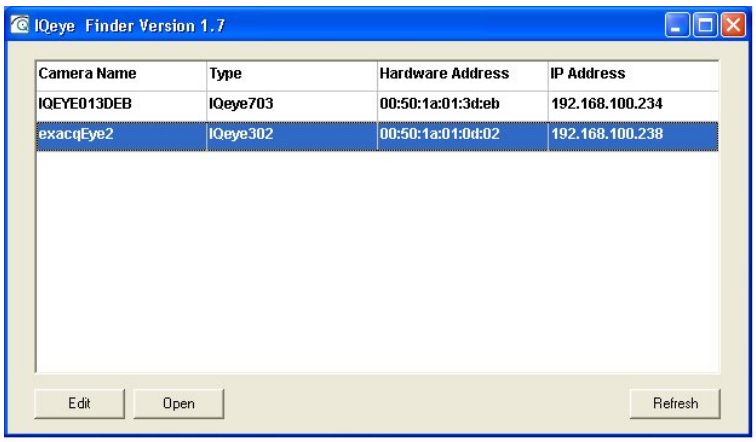
NOTE: The factory default login for Axis IP cameras is:

- username: **root**
- password: **pass**

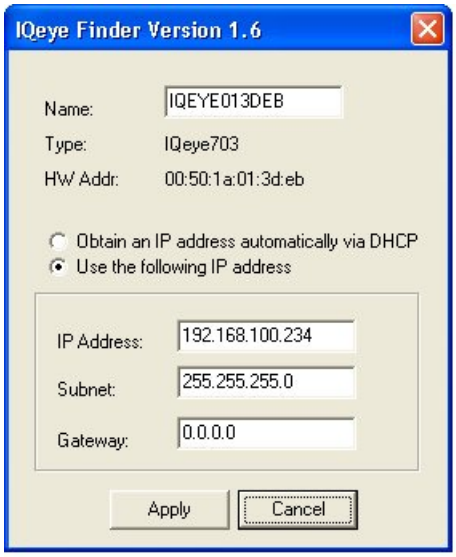
You will need the username and password when you add this camera to your exacqVision system.

2 IQinVision

IQinVision provides the *iqfinder* utility to find IP cameras. Run the utility to display the following window:



Select the camera and click Edit to change the camera's IP properties.



IQinVision cameras typically do not use DHCP by factory default, you must manually assign the camera an IP address. Enter an IP address that is not used by any other device on your local network, ensuring that the first three numbers match the first three numbers of your exacqVision Server's IP address. Set the subnet to 255.255.255.0 and click Apply.

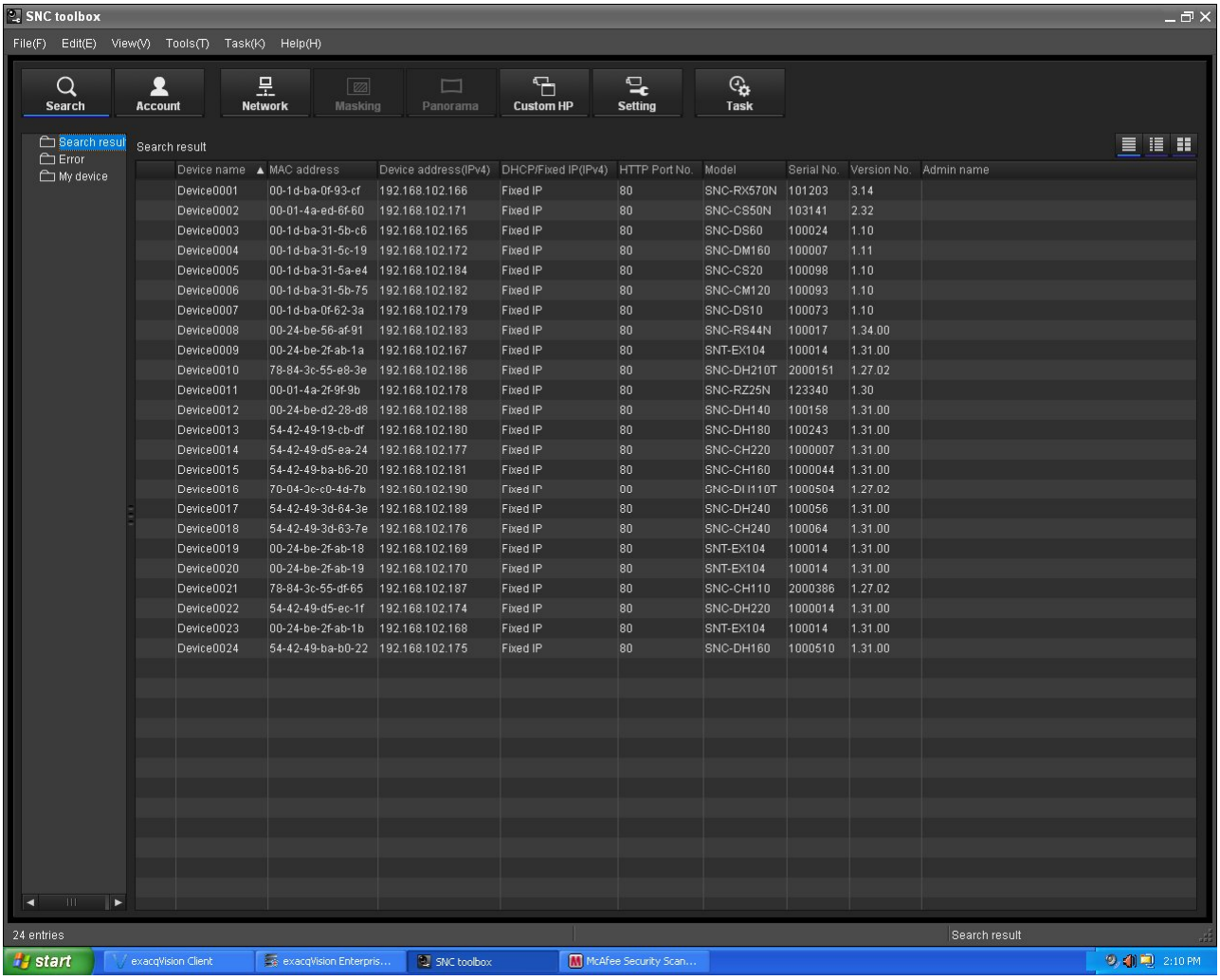
NOTE: The factory default login for IQinVision IP cameras is:

- username: **root**
- password: **system**

You will need the username and password when you add this camera to your exacqVision system. To get the IQinVision camera to factory defaults, hold the reset button in while powering on the camera.

3 Sony

Sony provides the *IP Setup* utility to find IP cameras. Run the utility to display the following window:



Select the camera to edit the camera IP properties. Sony cameras typically do not use DHCP by factory default, you must manually assign the camera an IP address. Enter an IP address that is not used by any other device on your local network, ensuring that the first three numbers match the first three numbers of your exacqVision Server's IP address. Set the subnet to 255.255.255.0, leave the HTTP port at 80, enter the camera's Administrator name and password, and click Apply.

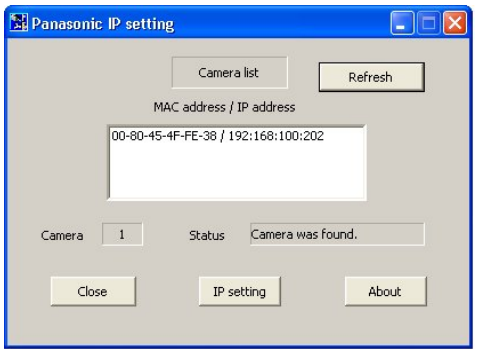
NOTE: The factory default login for Sony IP cameras is:

- username: **admin**
- password: **admin**

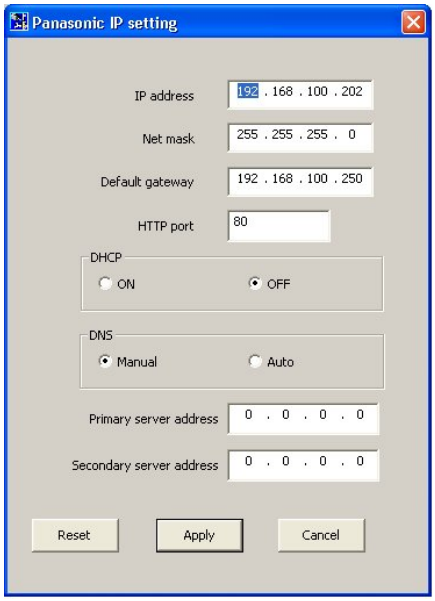
You will need the username and password when you add this camera to your exacqVision system.

4 Panasonic

Panasonic provides the *EasyIpSetup_Ipro* utility to find IP cameras. Run the utility to display the following window:



Select a camera and click the IP Setting button to view and edit the camera's IP properties.



Panasonic cameras typically do not use DHCP by factory default, you must manually assign the camera an IP address. Enter an IP address that is not used by any other device on your local network, ensuring that the first three numbers match the first three numbers of your exacqVision Server's IP address. Set the net mask to 255.255.255.0, leave the HTTP port at 80, enter the camera's Administrator name and password, and click Apply.

NOTE: Panasonic cameras automatically disable their response to configuration queries 20 minutes after being reset. If your camera has been running for more than 20 minutes, reset or power cycle it before querying or configuring its IP address through either exacqVision's IP camera finder or Panasonic's *EasyIPSetup* utility.

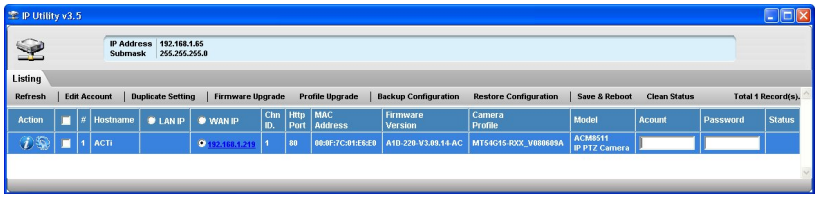
NOTE: The factory default login for Panasonic IP cameras is:

- username: **admin**
- password: **12345**

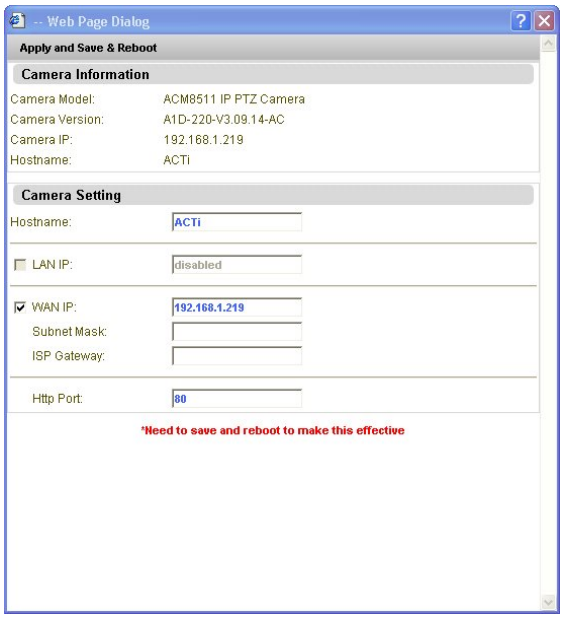
You will need the username and password when you add this camera to your exacqVision system.

5 ACTi

ACTi provides the ACTi *IP Utility* to find IP cameras. This is located on the installation CD in the \Professional\Utility\IP Utility.exe directory. You might need to install the ACTi Streaming Activator Software from the CD to find the ACTi IP utility. Run the utility to display the following window:



Enter the Account name and Password in the appropriate fields, and then click Configure Camera Settings (the wheel button at the far left side of the row).



Change the WAN IP address to an IP address that is not used on your network. You cannot turn on DHCP here; that can be done only on the camera webpage. After you enter the IP address and subnet mask entered, click Apply and Save & Reboot.

NOTE: The factory default login for ACTi IP cameras is:

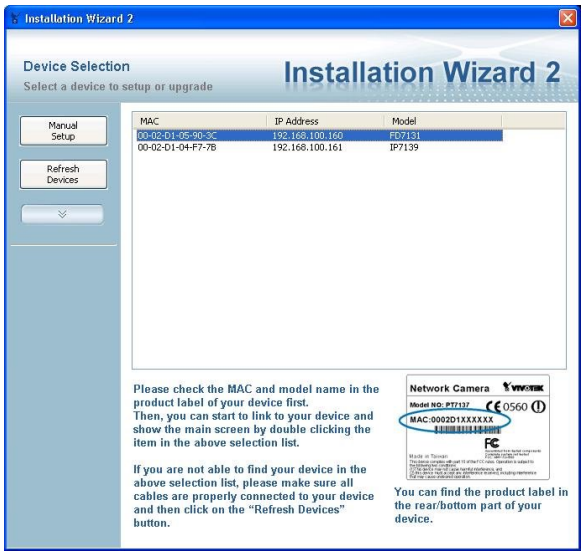
- username: **Admin**
- password: **123456**

You will need the username and password when you add this camera to your exacqVision system.

6 Vivotek

Vivotek provides an *Installation Wizard* utility to find IP cameras. This is provided on the CD included in the box with the camera. Run the utility to display the following window:

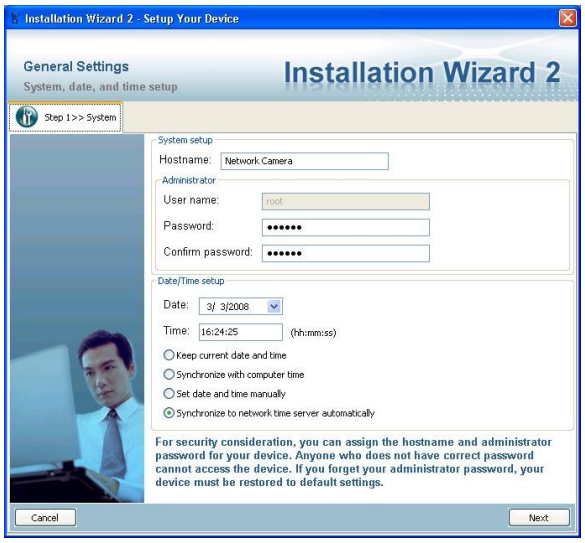
This detects and displays your type of network. Click Next to continue.


Installation Wizard 2
Device Selection
Select a device to setup or upgrade
Installation Wizard 2
Manual Setup
Refresh Devices
MAC
IP Address
Model
00-02-D1-05-90-3C
192.168.100.160
FD7131
00-02-D1-04-F7-7B
192.168.100.161
IP7139
Please check the MAC and model name in the product label of your device first.
Then, you can start to link to your device and show the main screen by double clicking the item in the above selection list.
If you are not able to find your device in the above selection list, please make sure all cables are properly connected to your device and then click on the "Refresh Devices" button.
Network Camera
You can find the product label in the rear/bottom part of your device.

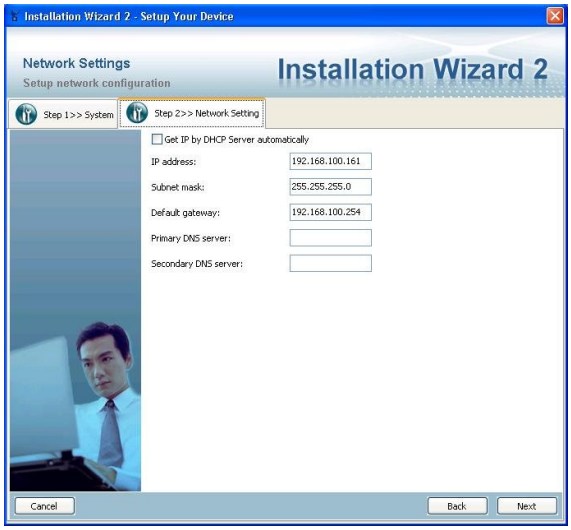
All Vivotek network cameras in your subnet are displayed. If the program does not detect the camera, verify that the cameras are actually in your local subnet. Double-click the camera that you want to configure.

Installation Wizard 2
Device Selection
Select a device to setup or upgrade
Installation Wizard 2
Manual Setup
Refresh Devices
MAC
IP Address
Model
00-02-D1-05-90-3C
192.168.100.160
FD7131
00-02-D1-04-F7-78
192.168.100.161
IP7139
Connecting to the device 00-02-D1-0...
Please enter the administrator password:
User name:
root
Password:
OK
Cancel
Please check the MAC and model name in the product label of your device first.
Then, you can start to link to your device and show the main screen by double clicking the item in the above selection list.
If you are not able to find your device in the above selection list, please make sure all cables are properly connected to your device and then click on the "Refresh Devices" button.
Network Camera
MAC:0002D1XXXXXX
You can find the product label in the rear/bottom part of your device.

Enter the root password for the Vivotek camera. If you have not set up the camera previously, the default password is blank.



Enter in the new root password and keep the default Date/Time settings. Click Next.



Enter the IP address, subnet mask, default gateway, primary DNS (optional), and secondary DNS server (optional). Select Get IP by DHCP Server Automatically if necessary. Click Next to continue.

Installation Wizard 2 - Setup Your Device
Port Forwarding
Setup port forwarding
Installation Wizard 2
Step 1>> System
Step 2>> Network Setting
Step 3>> Ports
If your device is located behind the router and you want to access it on Internet, your router must be configured. UPnP (Universal Plug and Play) technology will configure your router automatically if your router supports it. If your router does not support UPnP port forwarding, you need to configure the port numbers manually.
The wizard has detected that your router does not support UPnP port forwarding. Choosing the "Manual (Advanced)" radio button is recommended, and please also remembering to configure the port numbers in your router if you want to access the device on Internet.
UPnP port forwarding
Manual (Advanced)
Manual port mapping
HTTP port:
8080
RTSP port:
554
RTP video port:
5556
RTCP video port:
5557
RTP audio port:
5558
RTCP audio port:
5559
Cancel
Back
Next

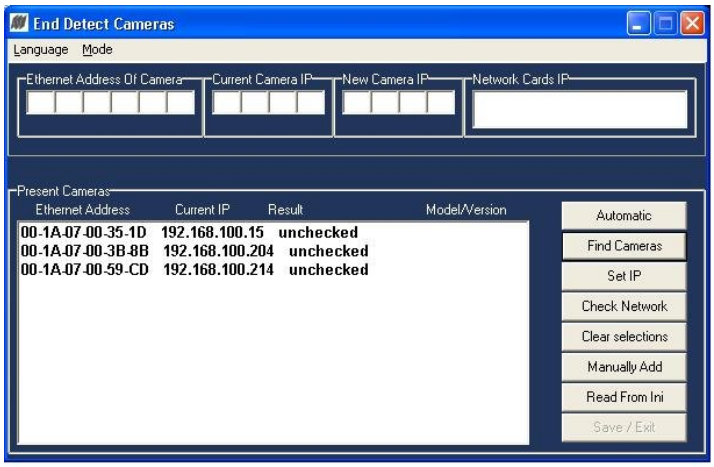
Use the default ports.

Installation Wizard 2 - Setup Your Device
DDNS Settings
Setup a domain name for device to be accessed on the Internet
Installation Wizard 2
Step 1>> System
Step 2>> Network Setting
Step 3>> Ports
Step 4>> DDNS
Enable DDNS
Registration Information
Host name:
E-mail address:
Key:
Forget Key
Confirm key:
Register DDNS
DDNS (Dynamic Domain Name Service) is a method of keeping a domain name linked to a dynamic public IP address. In many cable/DSL connections, a dynamic public IP address is assigned for every connecting request. You can setup your DDNS service here and the device will automatically update your DDNS host name if the public IP address is changed.
Advanced Information
Cancel
Back
Next

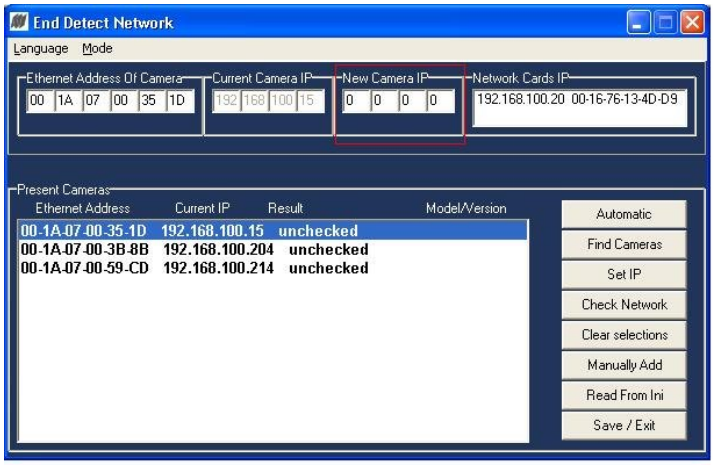
Do not select Enable DDNS unless you are planning to put this camera on the Internet. This is not recommended. Click Next to complete the configuration.

7 Arecont

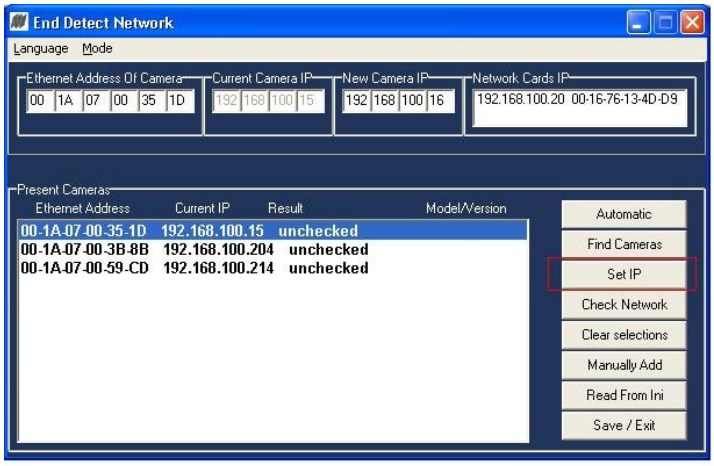
Arecont includes a utility to find IP cameras on the CD sent with the camera. Run the utility to show the following window:



Click Find Cameras to search for Arecont IP cameras on the local subnet. If the program does not detect the camera, verify that the cameras are actually in your local subnet.



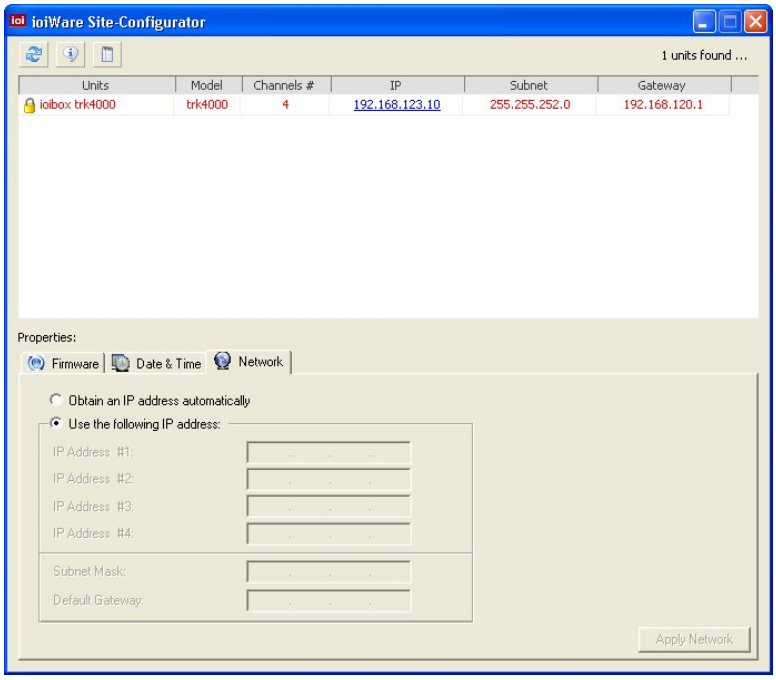
Enter the IP Address in the New Camera IP field.



Click Set IP to set the IP address. To configure additional information for the camera, go to the camera's web page.

8 ioimage

ioimage provides a utility to find IP cameras called the *ioiWare Site-Configurator*. This utility is provided on the CD included in with the camera. Run the utility to display the following window:



You must change your own IP address so that you can reach the IP address 192.168.123.10. When you run the ioiWare Site-Configurator, it detects the device. Select the device and then the Network tab. You can configure the device's IP address to be static or obtain an IP address automatically. When finished, click Apply Network.

Enter the username and password for the device. Click OK to set the IP address and reboot the device.

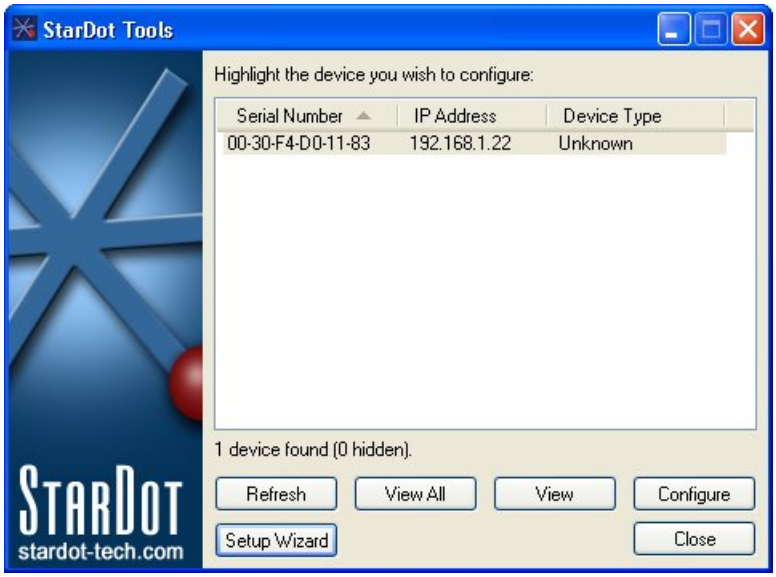
NOTE: The factory default login for ioimage devices is:

- username: a**dmin**
- password: **admin**

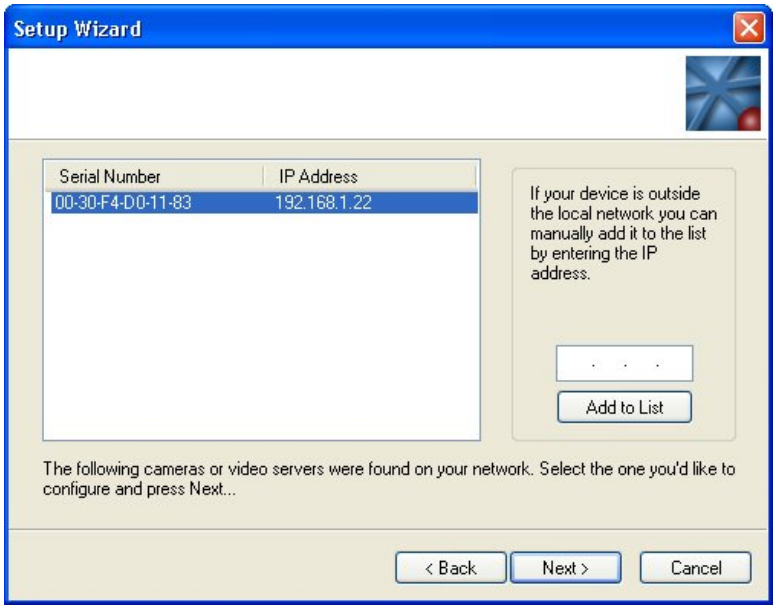
You will need the username and password when you add this camera to your exacqVision system.

9 StarDot

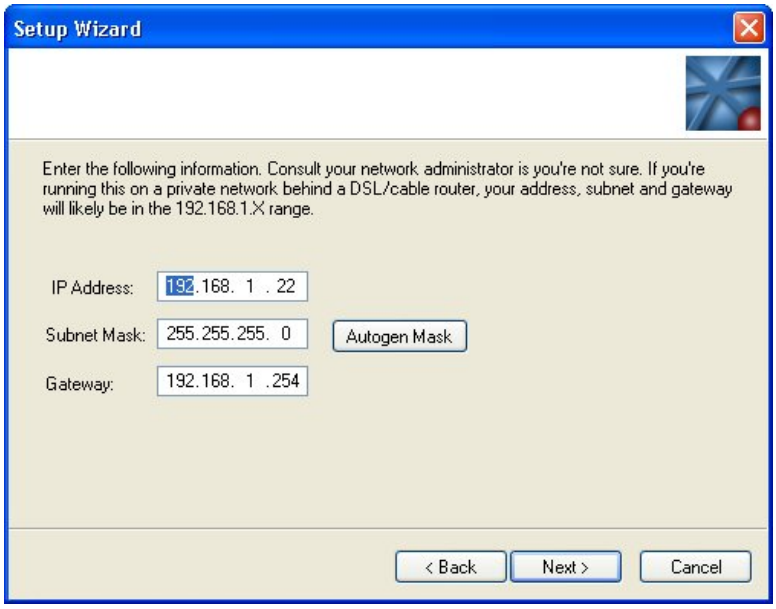
StarDot provides a utility to find IP cameras called *StarDot Tools*. This utility is provided on the CD included with the camera. Run the utility to display the following window:



The StarDot Tools utility detects cameras that are on your network. To configure the IP address, select the Camera and then click Setup Wizard.


Setup Wizard
Serial Number
IP Address
00-30-F4-D0-11-83
192.168.1.22
If your device is outside the local network you can manually add it to the list by entering the IP address.
Add to List
The following cameras or video servers were found on your network. Select the one you'd like to configure and press Next...
< Back
Next >
Cancel

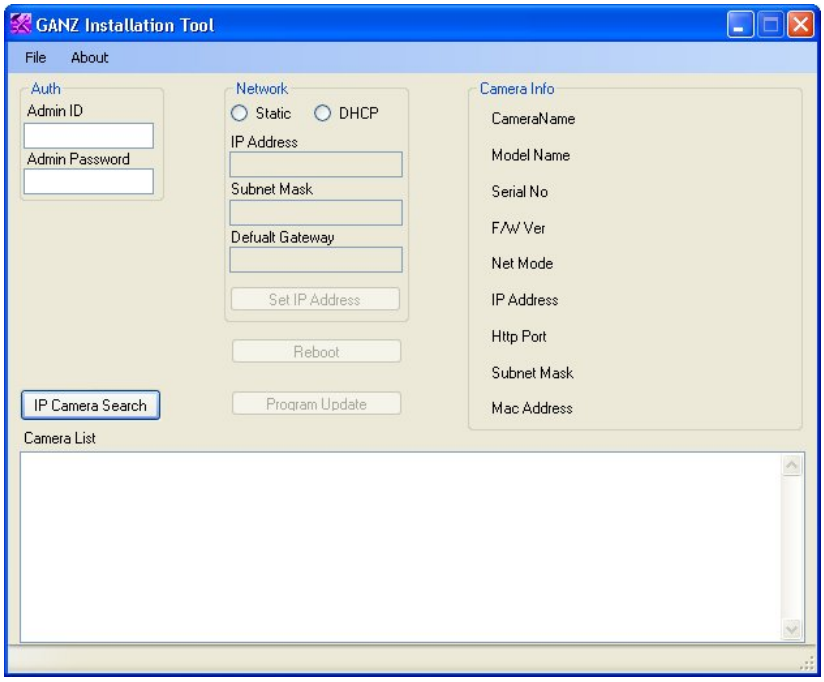
Select the method used to connect to the camera and then click Next. Select the IP camera from the list and click Next. The configuration of the camera is then displayed. Select the primary method of communication, which is usually Network.


Setup Wizard
Enter the following information. Consult your network administrator is you're not sure. If you're running this on a private network behind a DSL/cable router, your address, subnet and gateway will likely be in the 192.168.1.X range.
IP Address:
192.168. 1 . 22
Subnet Mask:
255.255.255. 0
Autogen Mask
Gateway:
192.168. 1 .254
< Back
Next >
Cancel

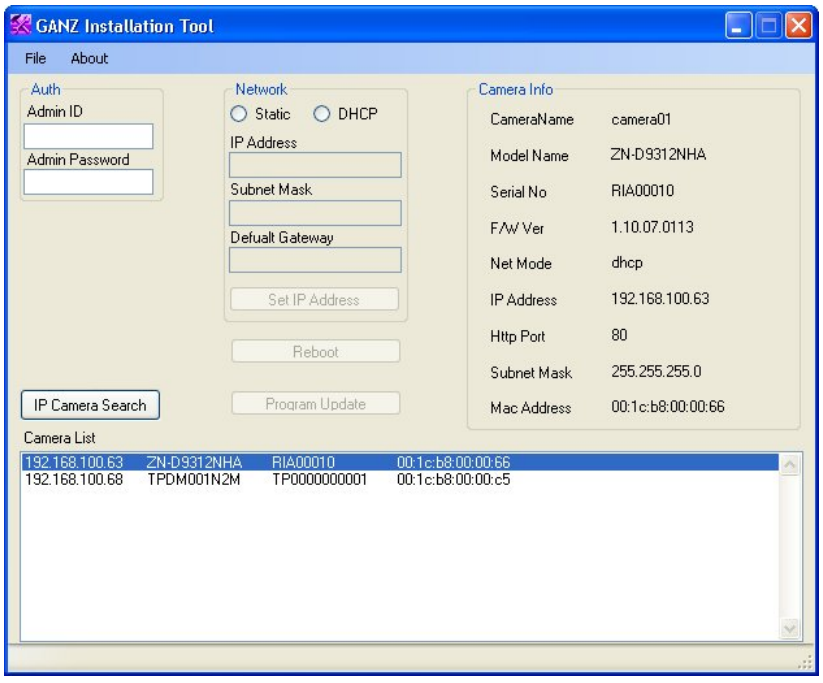
Select either Static IP Address, or Server-Assigned IP Address (DHCP). If you select Static IP Address, enter the IP address, subnet mask, and gateway. Select Only Serve Images on Request, No Upload, Then click Next, and then click Next again to reboot the camera to the new IP address.

10 Ganz

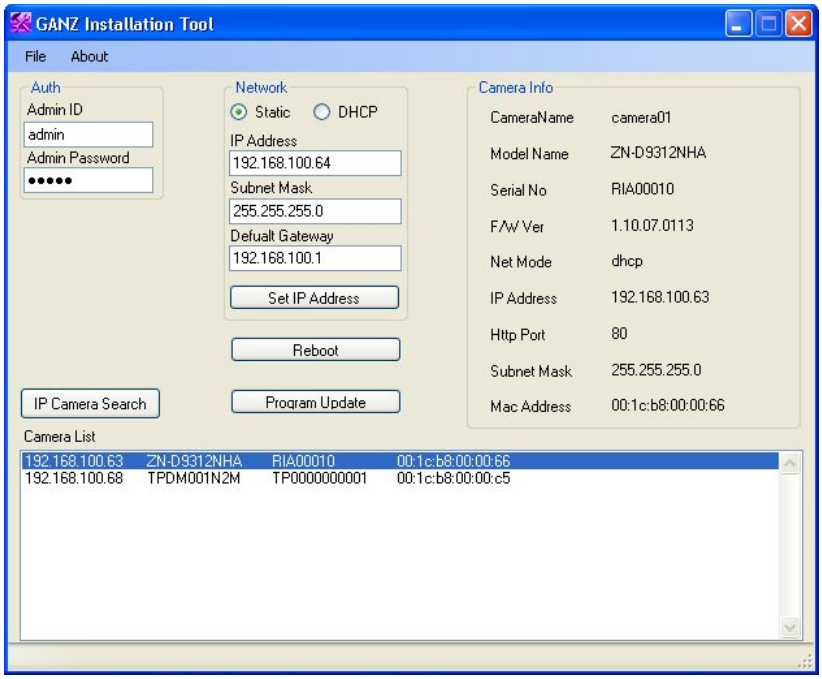
Ganz provides the Ganz Installation Tool to find IP cameras. This utility is provided on the CD included with the camera. Run the utility to display the following window:



Click IP Camera Search to search for Ganz IP cameras on the local subnet. If the program does not detect the camera, please verify that the cameras are in your local subnet.



All Ganz IP cameras on the local subnet are listed in the Camera List section. Select a camera to display information in the Camera Info area.



To change the IP address of the selected camera, select Static in the Network area. Enter the IP address and default gateway, and then click Set IP Address.

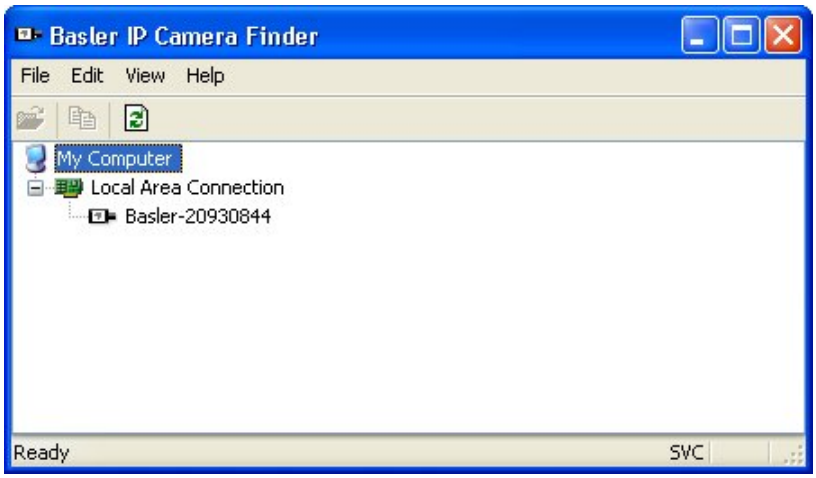
NOTE: The factory default login for Ganz devices is:

- username: a**dmin**
- password: **admin**

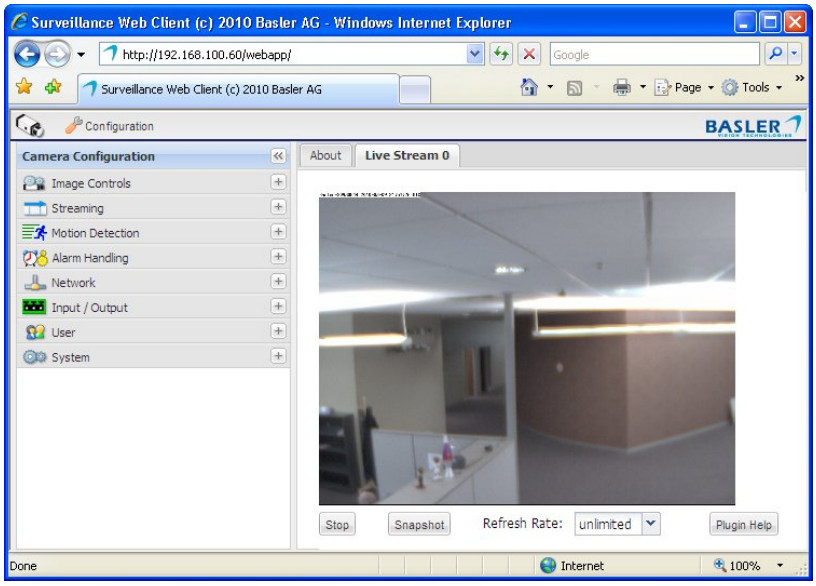
You will need the username and password when you add this camera to your exacqVision system.

11 Basler

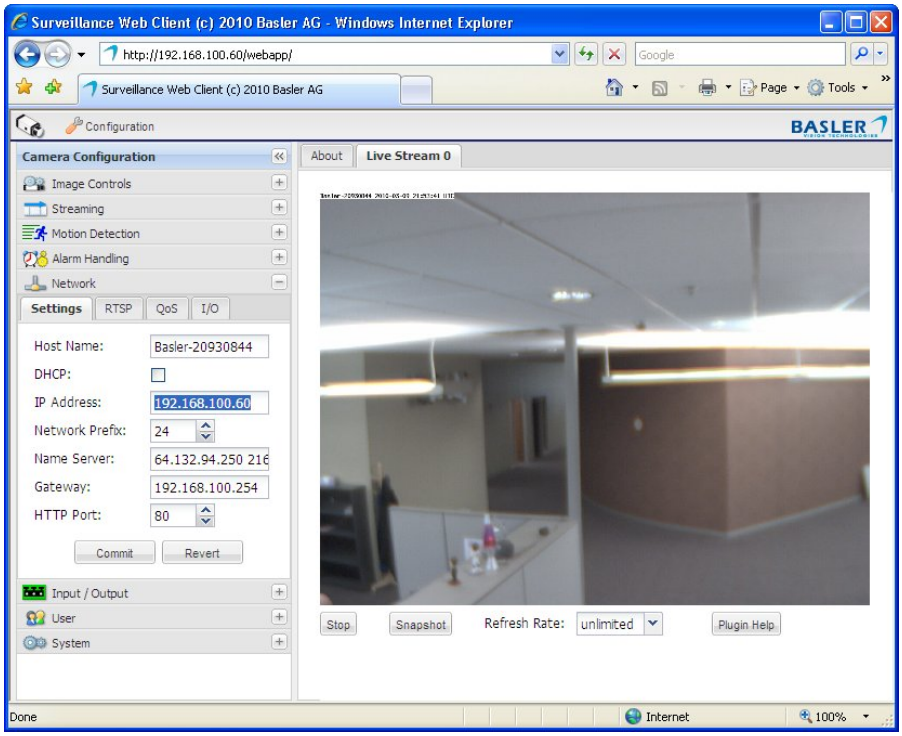
Basler provides the IP Camera Finder to find Basler IP cameras. This utility is provided on the CD included with the camera. Run the utility to display the following window:



All the Basler IP cameras on the local subnet are displayed under Local Area Connection. To configure a camera, right click and select Open In Browser.



Click Configuration to display the Camera Configuration panel.



Expand the Network panel to display the camera's Settings tab. Deselect DHCP and then change the IP address and other information as appropriate. Click Commit when finished.

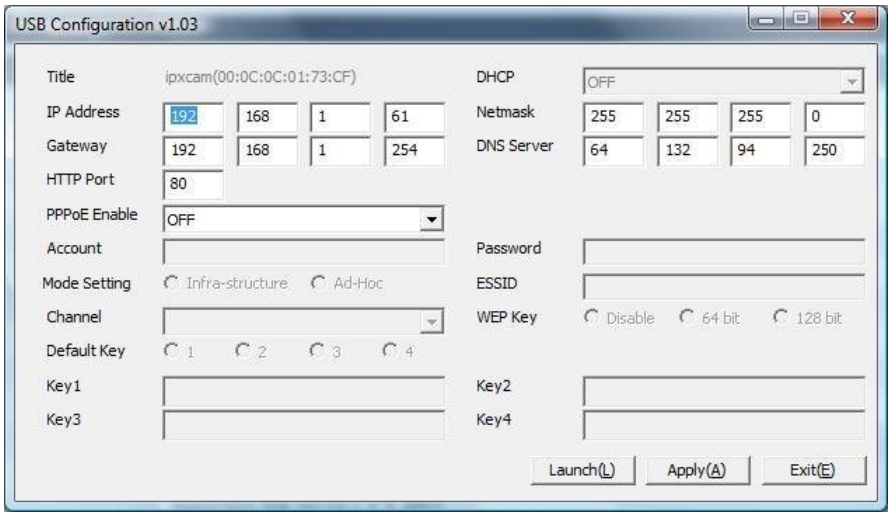
NOTE: The factory default login for Basler cameras is:

- username: **admin**
- password: **admin**

You will need the username and password when you add this camera to your exacqVision system.

12 IPX

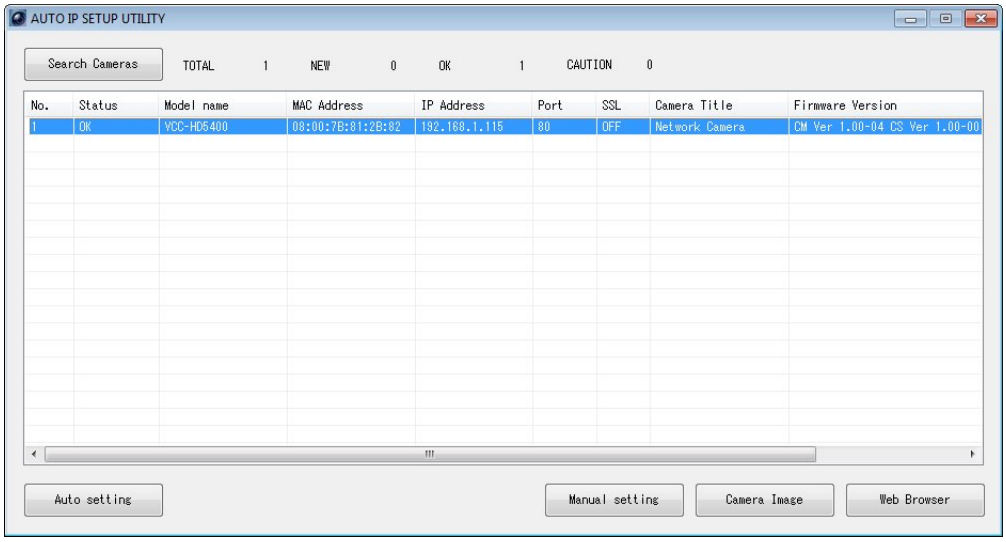
To change the camera's IP address, make sure the DIP switch on the camera's left flank panel is set to 4 (STATIC IP). To run the utility, connect the camera to a computer using a USB cable. The following window is displayed:



Select OFF from the DHCP drop-down list in the utility. Enter the IP address, netmask, gateway, DNS server, and HTTP port information. Click Apply and then Exit when finished.

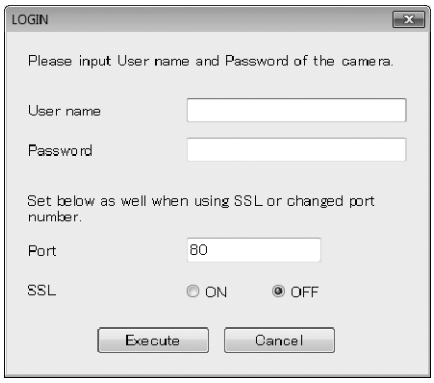
13 Sanyo

Sanyo provides the Auto IP Setup utility to find and configure IP settings on Sanyo cameras. Run the utility (you must be logged in as an Administrator in Windows 7) to display the AUTO IP SETUP UTILITY window. Click Search Cameras to locate Sanyo cameras on your network. This process can take several minutes to complete.


AUTO IP SETUP UTILITY
Search Cameras
TOTAL 1 NEW 0 OK 1 CAUTION 0
No. Status Model name MAC Address IP Address Port SSL Camera Title Firmware Version
1 OK VCC-HD6400 08:00:7B:81:2B:82 192.168.1.115 80 OFF Network Camera CM Ver 1.00-04 CS Ver 1.00-00
Auto setting
Manual setting
Camera Image
Web Browser

When the camera appears in the Search results list, select the camera and click Auto Setting; this automatically assigns an IP address and other network information to your camera.

Or, to assign a specific IP address to the camera, click Manual Setting. This opens the following window:



Enter the default credentials and click Execute. When you are logged in, you can assign IP information to the camera. When finished, click Execute. After the camera completes the update, the newly assigned camera information is displayed in the Search results list.**NOTE:** The factory default login for Sanyo cameras is:

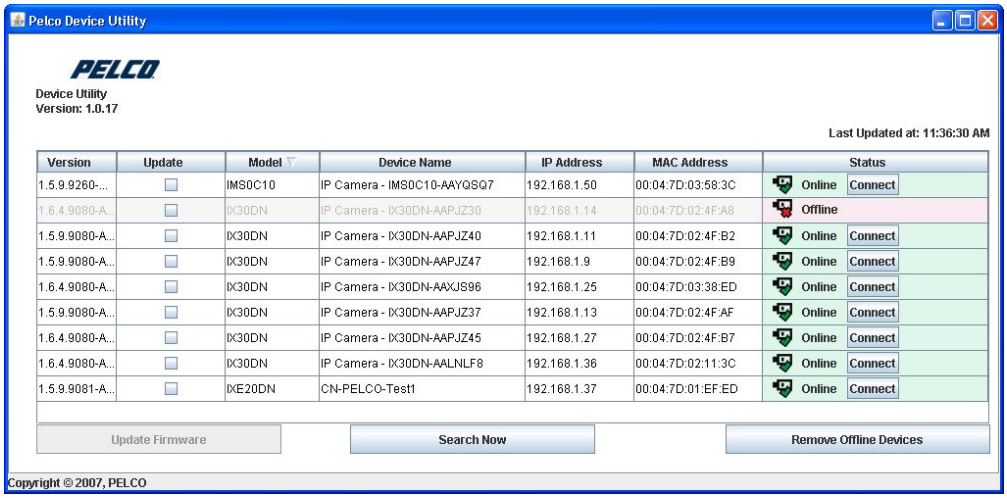
- username: **admin**
- password: **admin**

You will need the username and password when you add this camera to your exacqVision system.

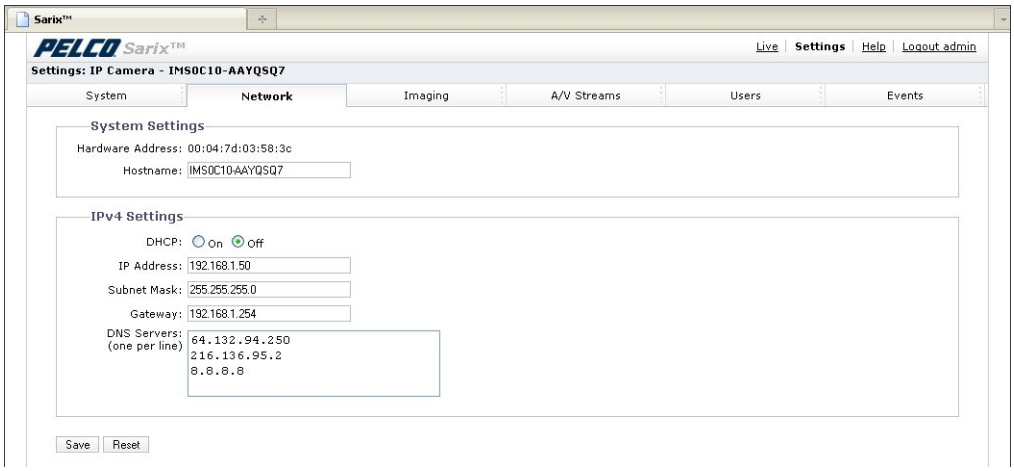
14 Pelco

Pelco provides the Pelco Device Utility to find and configure IP settings on Pelco cameras. Run the utility to display the following window.

NOTE: To run the Pelco Device Utility, Java must be installed on the computer. For complete information about the Pelco Device Utility, see the manufacturer's documentation.


Pelco Device Utility
PELCO
Device Utility
Version: 1.0.17
Last Updated at: 11:36:30 AM
Version | Update | Model | Device Name | IP Address | MAC Address | Status
1.5.9.9260-... | IMS0C10 | IP Camera - IMS0C10-AAYQSQ7 | 192.168.1.50 | 00:04:7D:03:58:3C | Online | Connect
1.6.4.9080-A... | IX30DN | IP Camera - IX30DN-AAPJZ30 | 192.168.1.14 | 00:04:7D:02:4F:A8 | Offline
1.5.9.9080-A... | IX30DN | IP Camera - IX30DN-AAPJZ40 | 192.168.1.11 | 00:04:7D:02:4F:B2 | Online | Connect
1.5.9.9080-A... | IX30DN | IP Camera - IX30DN-AAPJZ47 | 192.168.1.9 | 00:04:7D:02:4F:B9 | Online | Connect
1.6.4.9080-A... | IX30DN | IP Camera - IX30DN-AAXJS96 | 192.168.1.25 | 00:04:7D:03:38:ED | Online | Connect
1.5.9.9080-A... | IX30DN | IP Camera - IX30DN-AAPJZ37 | 192.168.1.13 | 00:04:7D:02:4F:AF | Online | Connect
1.6.4.9080-A... | IX30DN | IP Camera - IX30DN-AAPJZ45 | 192.168.1.27 | 00:04:7D:02:4F:B7 | Online | Connect
1.6.4.9080-A... | IX30DN | IP Camera - IX30DN-AALNLF8 | 192.168.1.36 | 00:04:7D:02:11:3C | Online | Connect
1.5.9.9081-A... | IXE20DN | CN-PELCO-Test1 | 192.168.1.37 | 00:04:7D:01:EF:ED | Online | Connect
Update Firmware
Search Now
Remove Offline Devices
Copyright © 2007, PELCO

All Pelco cameras on your network are listed in the utility. Click Search Now to update the list. To change the network settings for a camera, select Connect in the appropriate row in the Status column. This opens the camera's web page in the default browser.



To change the IP address, select Off next to DHCP and type the address. Click Save when finished.

NOTE: The factory default login for Pelco cameras is:

- username: **admin**
- password: **admin**

You will need the username and password when you add this camera to your exacqVision system.